

REMARKS

The Office Action of March 30, 2005, and the cited art have been carefully considered. The recognition of allowable subject matter in claims 4, 5, 8, 18, and 19 is gratefully acknowledged. The application has been amended to eliminate unnecessary limitations and to correct grammatical and similar errors. Reconsideration of the rejection of the application is respectfully requested based on the amendments and following discussion.

Dependent claims 4, 5, 8, 18, and 19 have been rewritten to in independent form, including all of the limitations of the respective base claim and any intervening claims. Accordingly, claims 4, 5, 8 18, and 19 are in a form indicated to be allowable. Allowance of claims 4, 5, 8, 18, and 19 is therefore respectfully requested.

REJECTION 103:

1. Claims 1, 2, 3, 6, 7, 9, 17, and 20 were rejected under 35 USC 103 over US 6,682,211 English in view of U.S. 6,621,222 Hong.

The rejection of Claims 1, 2, 3, 6, 7, 9, 17, and 20 as being unpatentable under 35 U.S.C. 103 as being obvious over English '211 in view of Hong '222 is respectfully traversed and reconsideration thereof is requested.

English '211 shows an LED lamp with a central shaft 16 retaining two lug connections 66, 68 that are connected respectively to two leads 62, 64 that pass through a common central cavity to be connected to a series of LED mounted on a head in differing fashions. FIG. 4, 5, 7, 8, 9, 10, 11, and 12 all address the mounting arrangement for the LEDs. No circuit is show in the structure. The lamp is designed for plug connection typical of automotive vehicles.

Hong '222 shows a replacement for an Edison bulb using LEDs as a light source. There is a threaded base supporting an LED mount. Two wires are shown connecting from the inner cavity of the base to a circuit board and two wires connecting the circuit board through the common inner space of the support 141 to the LED boards.

Both English '221 and Hong '222 show thin walled, hollow support structures.

Claim 1 states:

*“A lamp comprising:
a heat conductive post having a base and a top and plural wireways extending axially through said post from the base to the top;
a head on the top of said post, said head having plural light-emitting diode (LED) assemblies mounted thereon;
a circuit board for said LED assemblies at the base of said post; and
plural electrical leads that are insulated from each other and that each extend through a different one of said wireways and whose ends emerge from the base and the top, said leads being connected to respective ones of said LED assemblies and to said circuit board.”*

English '221 and Hong '222 each show a single central cavity. They do not show a plurality of wireways extending axially through said post from the base to the top.

English '221 and Hong '222 show two (all) leads being extended in a common cavity. They do not show plural electrical leads that are insulated from each other and that each extend through a different one of said wireways.

English '221 and Hong '222 show two (all) leads being connected to a LEDs in series (English) or presumably so (Hong). They do not show the plurality of leads being connected to respective ones of said LED assemblies and to said circuit board.

It is evident from reading the specification that the LEDs are individually wired to the circuit board through pins that pass axially through the central post. In this way the central post may be made relatively massive for better thermal conduction, and at the same time plurality of electrical connections can be combed out by the guiding wireways. Electrical connections may be completed simply by touching the exposed ends of the retained conductive leads to the LED assemblies at one end and to the circuit board at the other end.

Good thermal conduction is achieved through a massive post (meaning minimal space is allocated for electrical connection); simple and accurate assembly is achieved (by the retaining and guiding wireways despite the multiplicity of connections to be made); and separate wiring of each LED assembly is achieved. Neither English nor Hong show these features or any combination of these features.

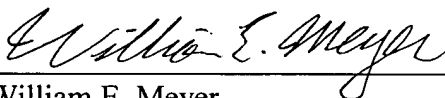
BASE CLAIM REJECTION

2. Dependent claims 4, 5, 8, 18, and 19 as were objected to as being dependent from rejected base claims, but would be allowable if rewritten in independent form, including all limitations of the respective base claims, and any intervening claims.

Claims 4, 5, 8, 18, and 19 has been rewritten in independent form to include all limitations of the base claims, and any intervening claims.

It is believed that a full and complete response to the Office Action has been made, that the Application as amended is patentably distinct over the cited art, and that the case is now in condition to be passed to issue. Reconsideration of the amended application is therefore requested, and an early favorable notice of allowance is courteously solicited.

Respectfully submitted,

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